

## PCT REQUEST

Original (for SUBMISSION)

0	For receiving Office use only	
0-1	International Application No.	
0-2	International Filing Date	
0-3	Name of receiving Office and "PCT International Application"	
0-4	Form - PCT/RO/101 PCT Request	
0-4-1	Prepared Using	PCT-SAFE [EASY mode] Version 3.50 (Build 0002.158)
0-5	Petition The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty	
0-6	Receiving Office (specified by the applicant)	Korean Intellectual Property Office (RO/KR)
0-7	Applicant's or agent's file reference	03FKWM023
I	Title of Invention	AIR FLOW SYSTEM IN OVEN
II	Applicant	
II-1	This person is:	applicant only
II-2	Applicant for	all designated States except US
II-4	Name:	LG ELECTRONICS, INC.
II-5	Address:	20 Yoido-dong Yongdungpo-gu Seoul 150-875 Republic of Korea
II-6	State of nationality	KR
II-7	State of residence	KR
II-8	Telephone No.	82-55-260-3464
II-9	Facsimile No.	82-55-260-3223
II-10	e-mail	paranlg@lge.com

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III-1	Applicant and/or inventor	applicant and inventor US only OH, Gyu-Ho 7-1303 Lucky Apt. Banrim-dong Changwon, Kyungsangsam-do641-764 Republic of Korea KR KR
III-1-1	This person is:	
III-1-2	Applicant for	
III-1-4	Name (LAST, First)	
III-1-5	Address:	
III-1-6	State of nationality	
III-1-7	State of residence	
III-2	Applicant and/or inventor	applicant and inventor US only KIM, Young-Chul 659-8 Yocil Billa301 Poongho-dong Jinhae, Kyungsangnam-do645-320 Republic of Korea KR KR
III-2-1	This person is:	
III-2-2	Applicant for	
III-2-4	Name (LAST, First)	
III-2-5	Address:	
III-2-6	State of nationality	
III-2-7	State of residence	
IV-1	Agent or common representative; or address for correspondence	agent HAW, Yong-Noke 8th Fl. Songchon Bldg., 642-15 Yoksam-dong, Kangnam-gu Seoul135-080 Republic of Korea 82-2-2185-5151 82-2-2185-5159 mail@sunyoungpat.com
	The person identified below is hereby/ has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:	
IV-1-1	Name (LAST, First)	
IV-1-2	Address:	
IV-1-3	Telephone No.	
IV-1-4	Facsimile No.	
IV-1-5	e-mail	


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V	DESIGNATIONS	
V-1	The filing of this request constitutes under Rule 4.9(a), the designation of all Contracting States bound by the PCT on the international filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents.	
V-2	Item V-2 may be used to exclude (irrevocably) the designations concerned in order to avoid the ceasing of the effect, under the national law, of an earlier national application from which priority is claimed. As to the consequences of such national law provisions in these and certain other States, see Designations in PCT-SAFE Help.	KR
VI-1	Priority claim of earlier national application	
VI-1-1	Filing date	21 July 2003 (21.07.2003)
VI-1-2	Number	10-2003-0049775
VI-1-3	Country	KR
VI-2	Priority claim of earlier national application	
VI-2-1	Filing date	25 July 2003 (25.07.2003)
VI-2-2	Number	10-2003-0051478
VI-2-3	Country	KR
VI-3	Priority document request The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) identified above as item(s):	VI-1, VI-2
VII-1	International Searching Authority Chosen	Korean Intellectual Property Office (ISA/KR)

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VIII	<b>Declarations</b>	Number of declarations	
VIII-1	Declaration as to the identity of the inventor	-	
VIII-2	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	-	
VIII-3	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application	-	
VIII-4	Declaration of inventorship (only for the purposes of the designation of the United States of America)	-	
VIII-5	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty	-	
IX	<b>Check list</b>	number of sheets	electronic file(s) attached
IX-1	Request (including declaration sheets)	5	✓
IX-2	Description	10	-
IX-3	Claims	6	-
IX-4	Abstract	1	✓
IX-5	Drawings	5	-
IX-7	TOTAL	27	
	<b>Accompanying Items</b>	paper document(s) attached	electronic file(s) attached
IX-8	Fee calculation sheet	✓	-
IX-9	Original separate power of attorney	✓	-
IX-11	Copy of general power of attorney	✓	-
IX-17	PCT-SAFE physical media	-	✓
IX-19	Figure of the drawings which should accompany the abstract	2	
IX-20	Language of filing of the international application	Korean	
X-1	Signature of applicant, agent or common representative		
X-1-1	Name (LAST, First)	HAW, Yong-Noke	
X-1-2	Name of signatory		
X-1-3	Capacity		

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## FOR RECEIVING OFFICE USE ONLY

10-1	Date of actual receipt of the purported international application	
10-2	Drawings:	
10-2-1	Received	
10-2-2	Not received	
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application	
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)	
10-5	International Searching Authority	ISA/KR
10-6	Transmittal of search copy delayed until search fee is paid	

## FOR INTERNATIONAL BUREAU USE ONLY

11-1	Date of receipt of the record copy by the International Bureau	
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## PCT (ANNEX - FEE CALCULATION SHEET)

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(This sheet is not part of and does not count as a sheet of the international application)

0	For receiving Office use only	
0-1	International Application No.	
0-2	Date stamp of the receiving Office.	
0-4	Form PCT/RO/101 (Annex) PCT Fee Calculation Sheet Prepared Using	PCT-SAFE [EASY mode] Version 3.50 (Build 0002.158)
0-9	Applicant's or agent's file reference	03FKWM023
2	Applicant	LG ELECTRONICS, INC.
12	Calculation of prescribed fees	fee amount/multiplier
12-1	Transmittal fee T	⇒
12-2-1	Search fee S	⇒
12-2-2	International search to be carried out by	KR
12-3	International filing fee (first 30 sheets) i1	1329000
12-4	Remaining sheets	0
12-5	Additional amount (X) 0	
12-6	Total additional amount i2	0
12-7	i1 + i2 = i	1329000
12-12	EASY Filing reduction R	-95000
12-13	Total international filing fee (i-R) I	⇒
12-14	Fee for priority document	1234000
	Number of priority documents requested	1
12-15	Fee per document (X) 0	
12-16	Total priority document fee: P	⇒
12-17	TOTAL FEES PAYABLE (T+S+I+P)	⇒
12-19	Mode of payment	1504000
		cash

#### 요약서



본 발명은 전자 레인지가 냉각도 를 하기 위한 공기의 흡입경로와, 배출 경로가 다수개 형성되도록 함으로써, 전자 레인지 내부의 공기가 보다 신속하게 냉각되도록 하고, 캐비티를 통과한 고온다습한 공기가 캐비티를 통과하지 아니한 고온의 공기와 섞이도록 함으로써, 배기 중에 이슬이 맺히지 않도록 하는 전자레인지의 공기 유로 구조이다. 본 발명에 의해서 대형의 전자 레인지의 사용이 보다 편리해진

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13-2-1	Validation messages Request	Green? A translation of the int'l application into (one of) the following language(s) must be furnished within one month of the date of receipt by the receiving Office: English
	Validation messages Request	Green? A translation of the international application into English will have to be prepared under the responsibility of the ISA selected.
	Validation messages Request	Green? Please note that the entire request (including the title of invention) must be in English
13-2-2	Validation messages States	Green? Please note that the following States have NOT been designated: KR.
13-2-7	Validation messages Contents	Green? Reference number for attached copy of general power of attorney not indicated.

## PCT POWER OF ATTORNEY

Original (for SUBMISSION)

0-1	PCT Power of Attorney (for an international application filed under the Patent Cooperation Treaty) (PCT Rule 90.4)	
0-1-1	Prepared Using	PCT-SAFE [EASY mode] Version 3.50 (Build 0002.158)
1	The undersigned applicant(s)	OH, Gyu-Ho; KIM, Young-Chul
1-1-1	hereby appoints (appoint) the following person	HAW, Yong-Noke 8th Fl. Songchon Bldg., 642-15 Yoksam-dong, Kangnam-gu Seoul 135-080 Republic of Korea
1-2	as	agent
1-3	to represent the undersigned before	all the competent International Authorities
1-4	in connection with the international application identified below:	
1-4-1	Title of invention	AIR FLOW SYSTEM IN OVEN
1-4-2	Applicant's or agent's file reference	03FKWM023
1-4-3	International application number (if already available)	
1-4-4	filed with the following Office as receiving Office	Korean Intellectual Property Office (RO/KR)
1-5	and to make or receive payments on behalf of the undersigned	
2-1	Signature of applicant, agent or common representative	
2-1-1	Name (LAST, First)	OH, Gyu-Ho
2-1-2	Name of signatory	
2-1-3	Capacity	
2-2	Signature of applicant, agent or common representative	
2-2-1	Name (LAST, First)	KIM, Young-Chul
2-2-2	Name of signatory	
2-2-3	Capacity	
3	Date	13 July 2004 (13.07.2004)